## Arizona State Retirement System Board



## **US Equity MidCap Asset Class**

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December 16, 2005

# Presentation Topics

- Mid Cap Manager Reviews (aggregate)
  - Asset Class Snapshot
  - Mandates Overview
  - Excess Returns
  - Value Added in Dollars
  - ASRS MidCap Equity Asset Class vs. S&P 400
  - Style Analysis
- Mid Cap Manager Reviews (individual)
  - Performance Analysis
  - Attribution Analysis
  - Style Analysis
  - Organizational Issues
  - Assessment

## ASRS US Equity MidCap Asset Class October 31, 2005

• Market Value: \$1.3b

Passive Percent: 59%

- Target 45% ±20%

## Active Style Composition:

- Core: 81%

Growth: 0%

- Value: 19%

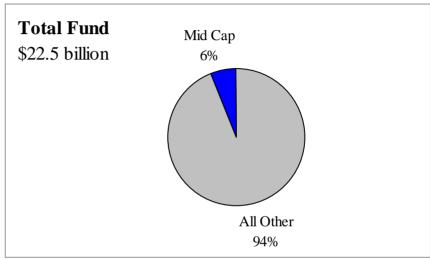
#### • Portfolios:

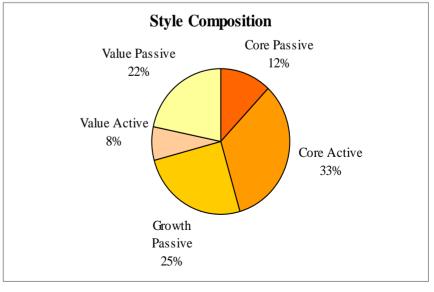
- 3 Passive
- 3 Active:

• Quantitative: 1

• Fundamental: 2

Average Fee: 16 bp





# ASRS US Equity MidCap Managers Mandates

Manager	Style	Benchmark	Inception	Fee (bp)	Expected Alpha (bp)	Portfolio Assets (\$mil) <sup>1</sup>	Strategy Assets (\$mil) <sup>2</sup>
Active							
Franklin	Core	S&P 400	6/30/02	24	220	309.6	2,882
Wellington	Core	S&P 400	6/30/02	56	300	141.4	7,501
CRM	Value	S&P 400 Val	12/31/03	54	300	102.1	3,727
Passive							
SSgA	Core	S&P 400	1/31/00	3	0	160.9	4,488
E3	Growth	S&P 400 Gr	11/30/00	1	10	340.5	
E4	Value	S&P 400 Val	6/30/02	1	10	291.1	

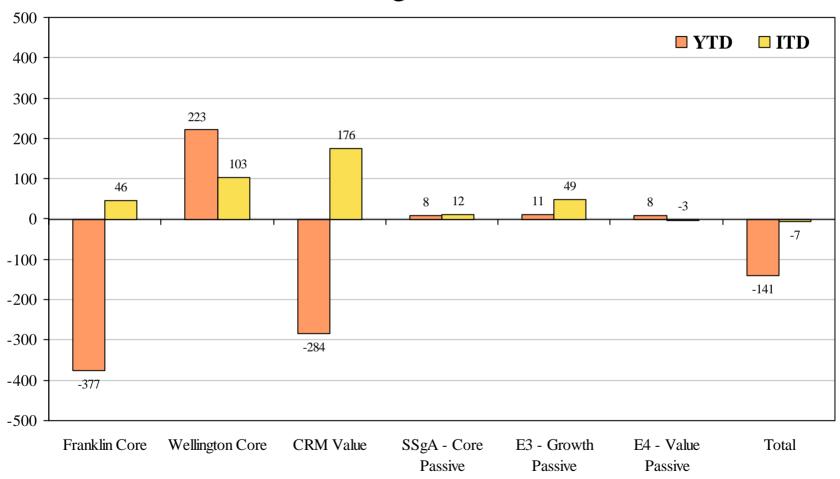
<sup>&</sup>lt;sup>1</sup> As of October 30, 2005

<sup>&</sup>lt;sup>2</sup> As of September 30, 2005

## ASRS US Equity MidCap Managers

## **Excess Returns**

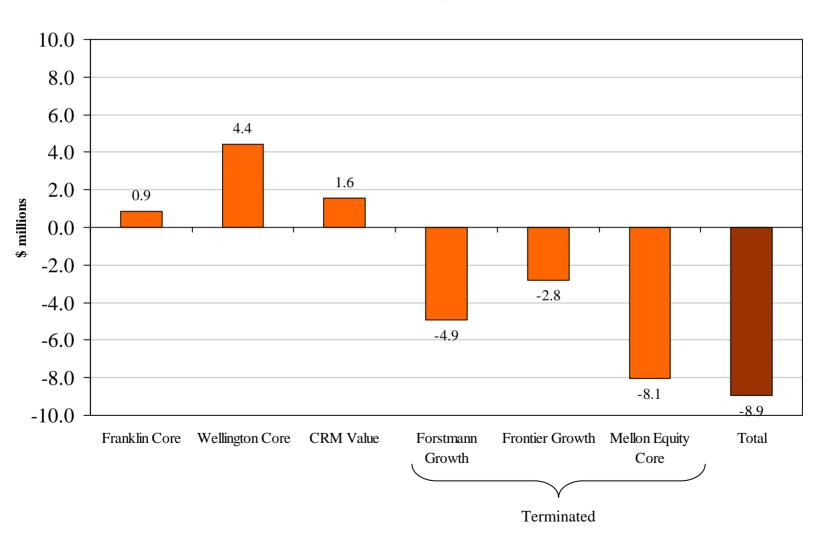
Period Ending October 31, 2005



## ASRS US Equity MidCap Active Managers

### Value Added in Dollars

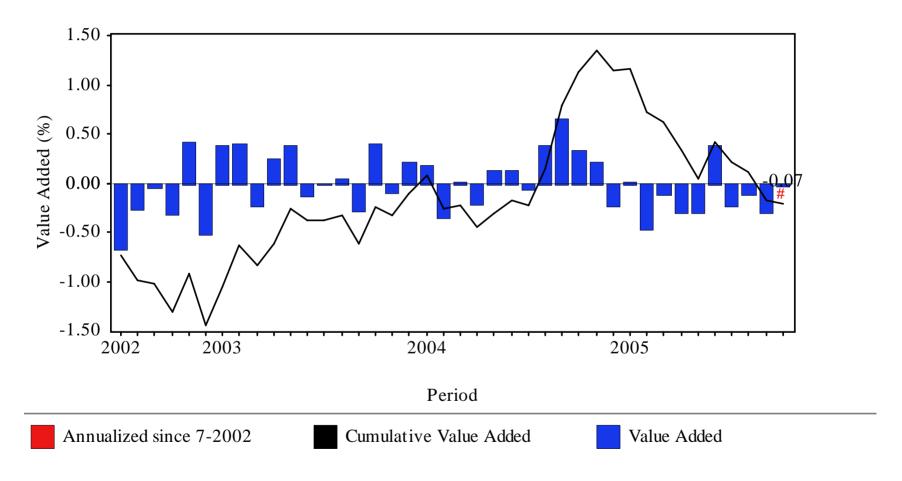
5 Year Period Ending October 31, 2005



## ASRS US Equity MidCap Asset Class

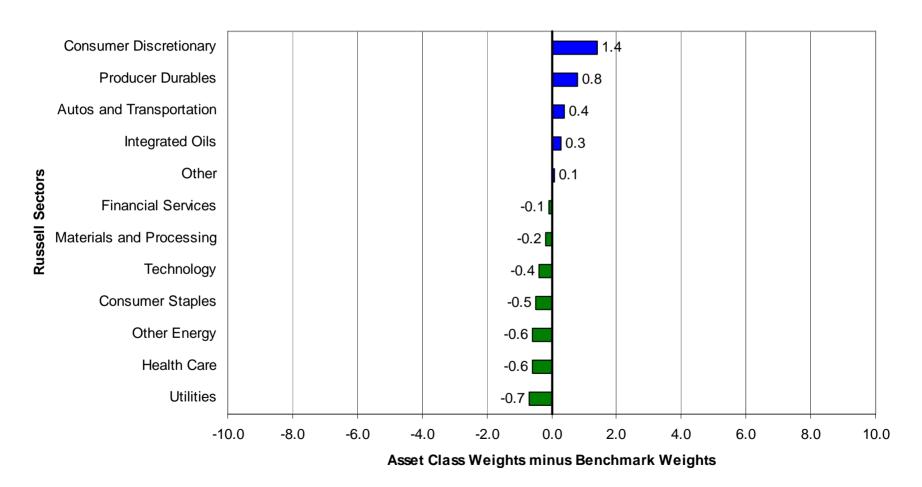
## Value Added Relative to S&P 400

July 2002 to October 2005

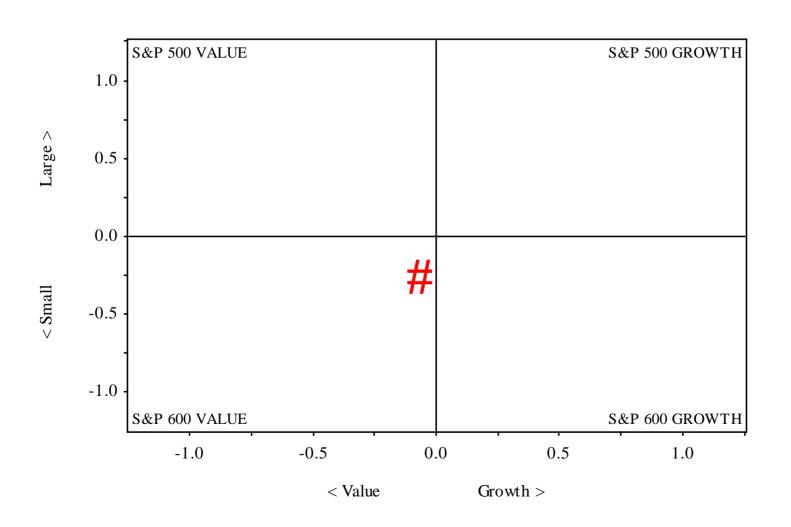


Monthly Returns Preliminary

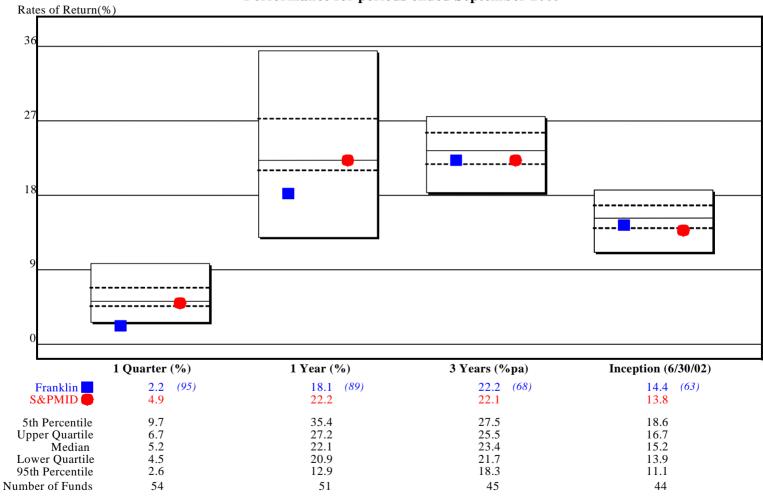
## ASRS US Equity MidCap Asset Class Style Analysis: Economic Sectors As of September 30, 2005

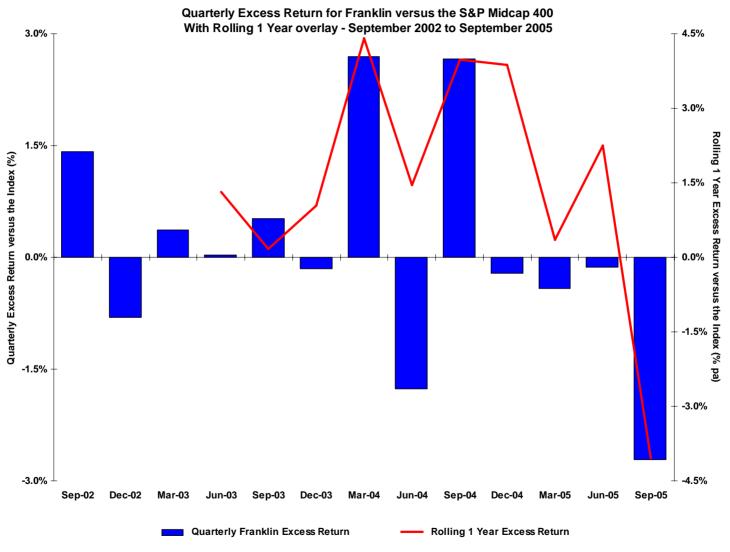


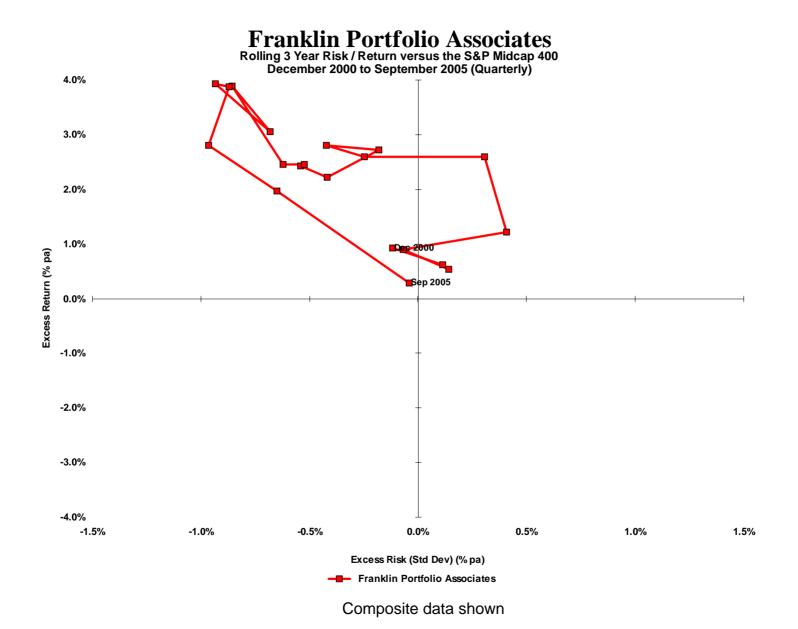
# ASRS US Equity MidCap Asset Class Style Analysis July 2002 to October 2005



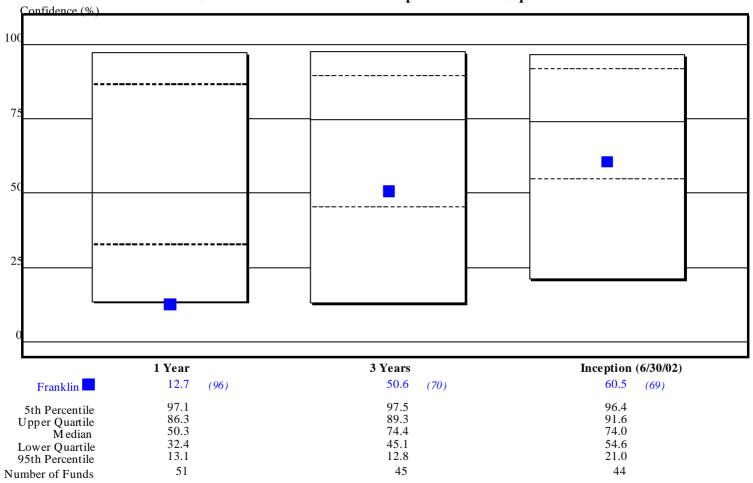
Comparison with the Mercer US Equity Mid Cap Core Universe Performance for periods ended September 2005







Comparison with the Mercer US Equity Mid Cap Core Universe Confidence of Value Added for periods ended September 2005

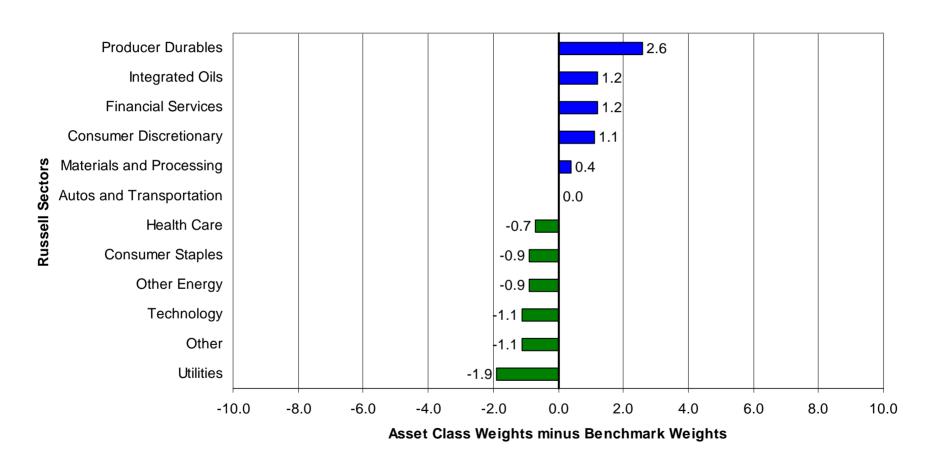


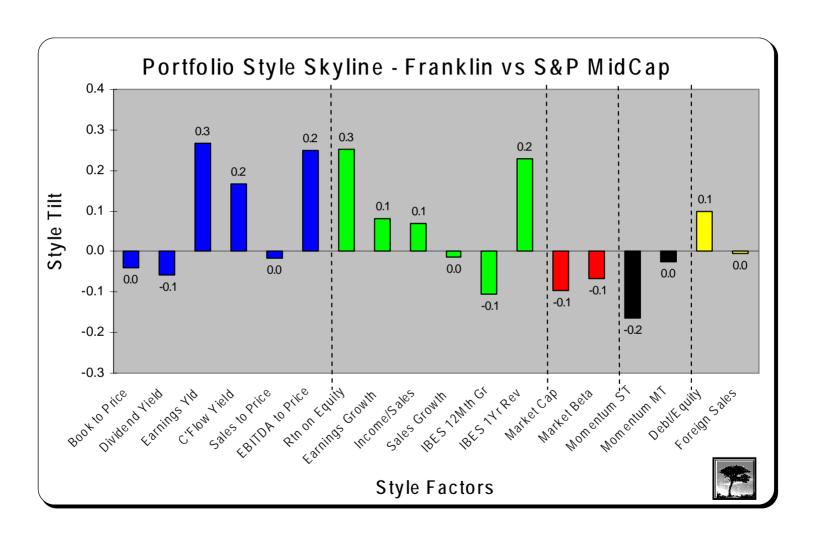
## Franklin Portfolio Associates Attribution Analysis

Period Ending September 30, 2005

	Quarter	1 Year	3 Years	5 Years	Inception
Stock Selection	-256	-370	-12		16
Sector Selection	32	67	46		49
Other	-46	-87	-8		15
Fees	-2	-11	-20		-18
Excess Return	-272	-401	6		62

## Franklin Portfolio Associates Style Analysis: Economic Sectors As of September 30, 2005





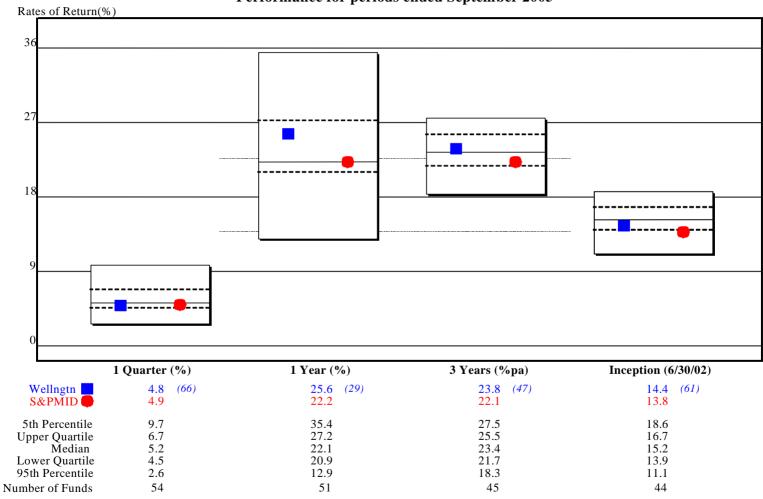
• No organization concerns at this time.

# Franklin Portfolio Associates Assessment

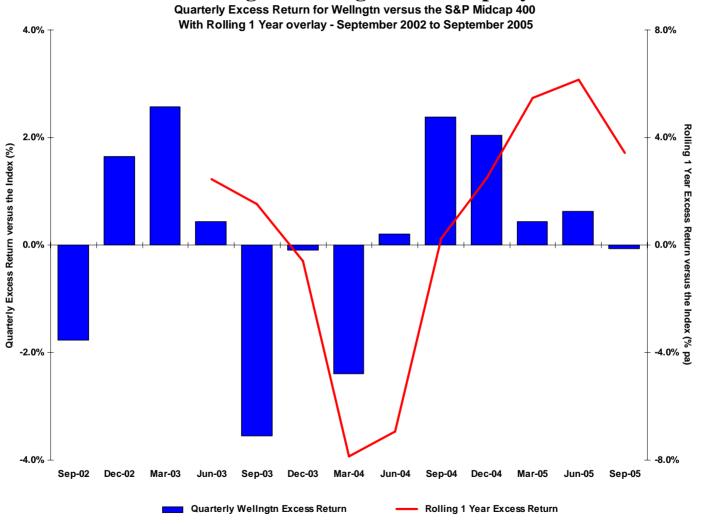
- Franklin Portfolio Associates outperformed the benchmark for the 3-year period and since inception. The portfolio underperformed the benchmark for the recent quarter and 1-year period.
- Mercer rates this product A (above average probability of outperformance).

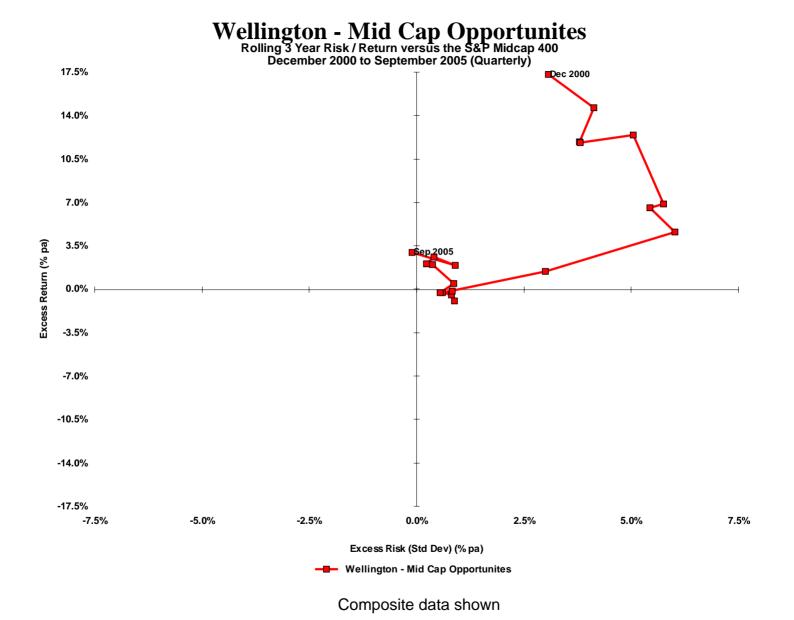
## **Wellington Management Company**

Comparison with the Mercer US Equity Mid Cap Core Universe Performance for periods ended September 2005

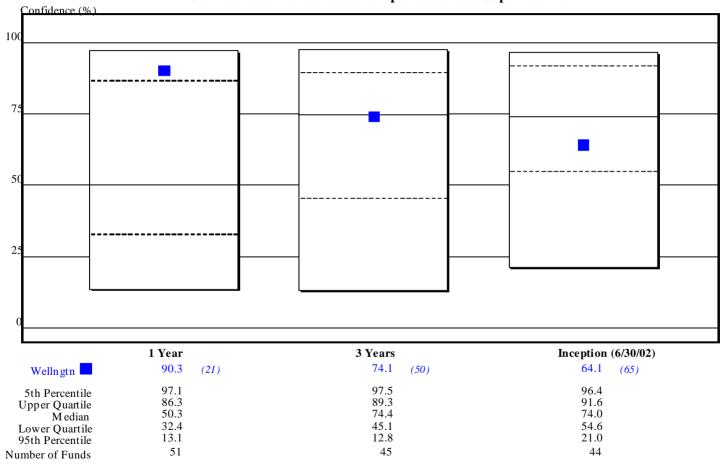


#### **Wellington Management Company**





Wellington Management Company
Comparison with the Mercer US Equity Mid Cap Core Universe
Confidence of Value Added for periods ended September 2005



## Wellington Management Attribution Analysis

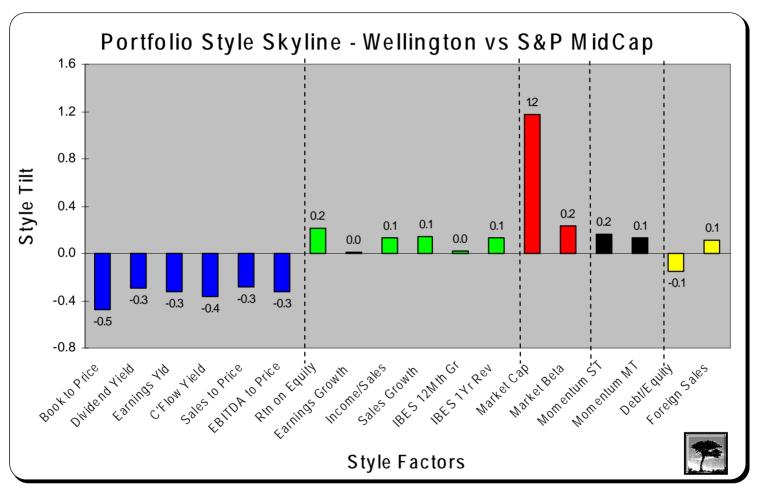
Period Ending September 30, 2005

	Quarter	1 Year	3 Years	5 Years	Inception
Stock Selection	23	622	368		217
Sector Selection	-16	-207	-126		-84
Other	0	0	0		0
Fees	-15	-70	-70		-65
Excess Return	-8	345	172		68

## Wellington Management Style Analysis: Economic Sectors As of September 30, 2005



# Wellington Management



# Wellington Management Organizational Issues

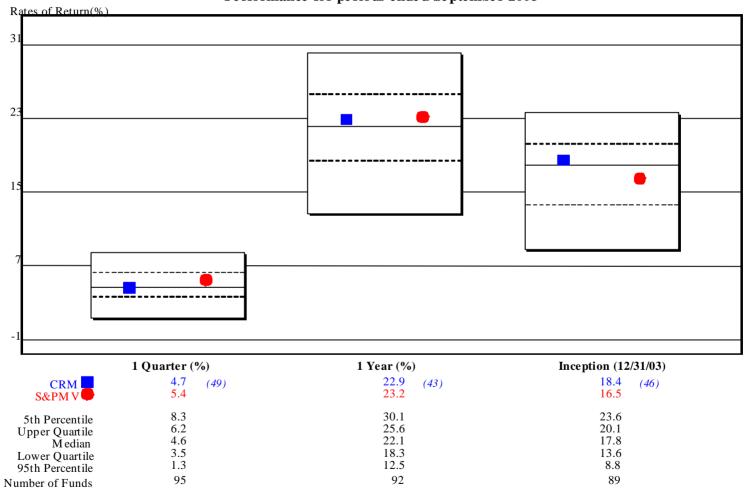
• No organization concerns at this time.

# Wellington Management Assessment

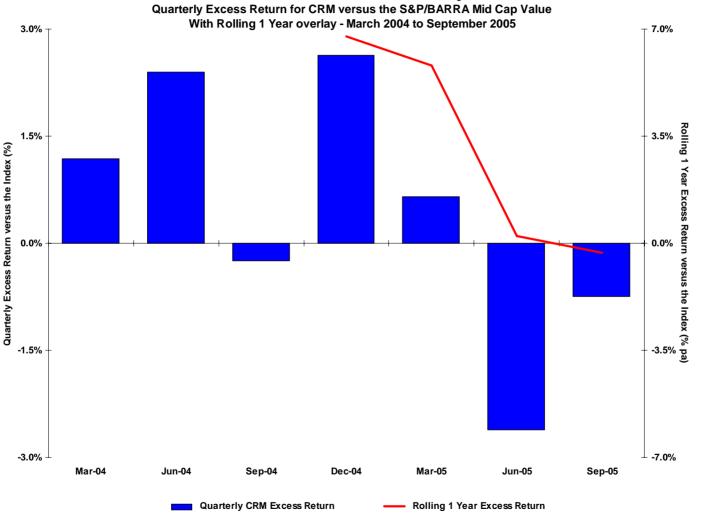
- Wellington outperformed its benchmark and the universe median for all periods evaluated except the recent quarter.
- Mercer rates this product A (above average probability of outperformance).

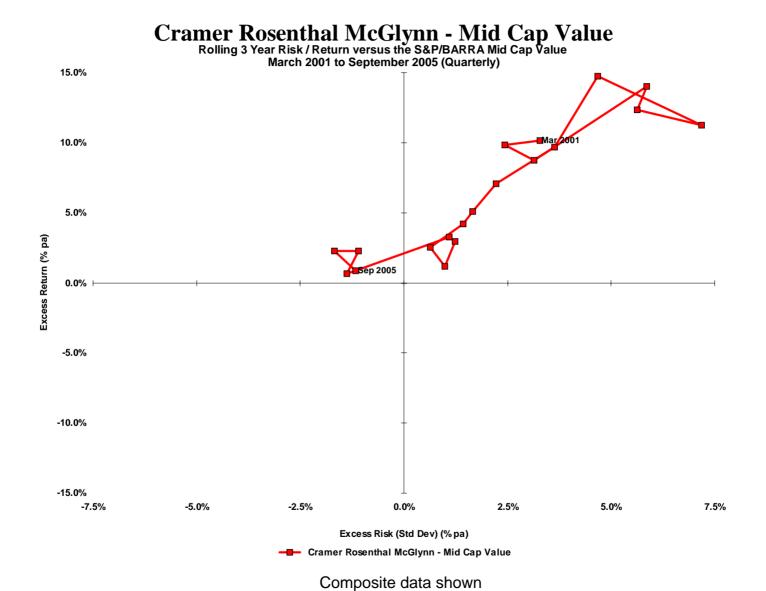
## **Cramer Rosenthal McGlynn**

Comparison with the Mercer US Equity Mid Cap Value Universe Performance for periods ended September 2005



# **Cramer Rosenthal McGlynn**



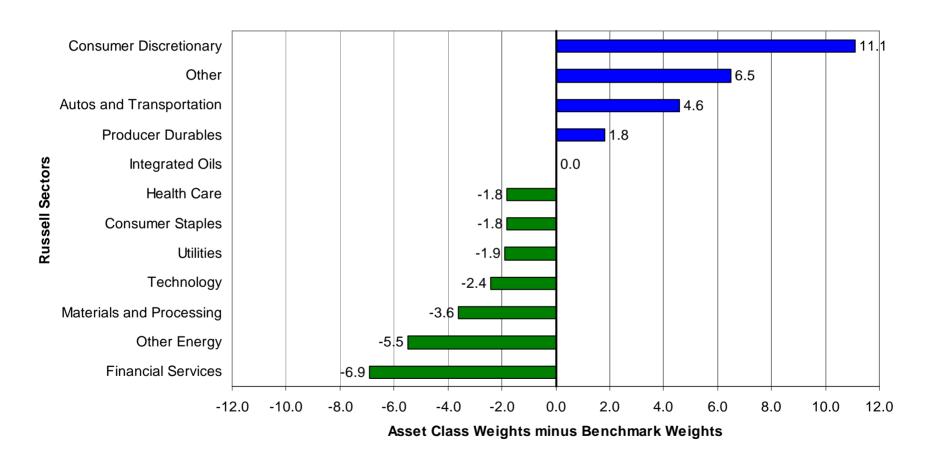


## Cramer Rosenthal McGlynn Attribution Analysis

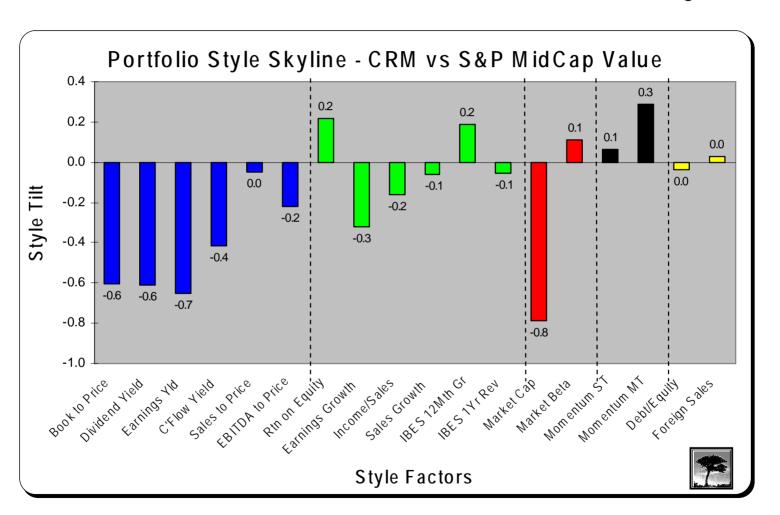
Period Ending September 30, 2005

	Quarter	1 Year	3 Years	5 Years	Inception
Stock Selection	179	158			486
Sector Selection	-239	-137			-234
Other	0	0			0
Fees	-14	-54			-54
Excess Return	-74	-33			198

## Cramer Rosenthal McGlynn Style Analysis: Economic Sectors As of September 30, 2005



# Cramer Rosenthal McGlynn



# Cramer Rosenthal McGlynn

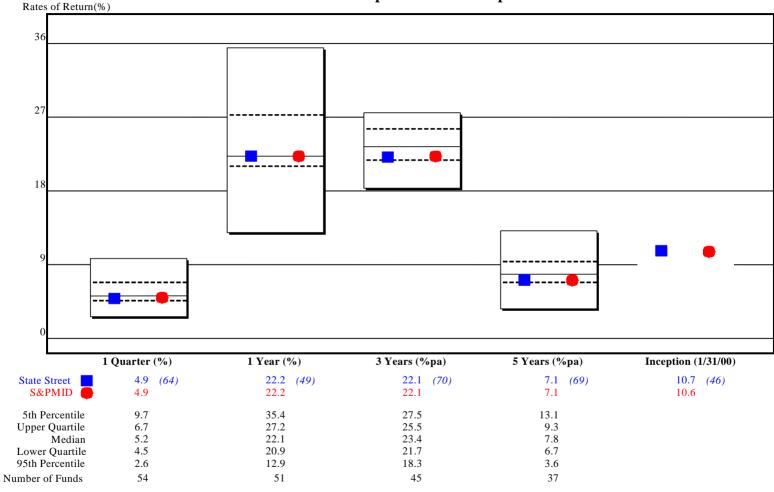
• No organization concerns at this time.

# Cramer Rosenthal McGlynn Assessment

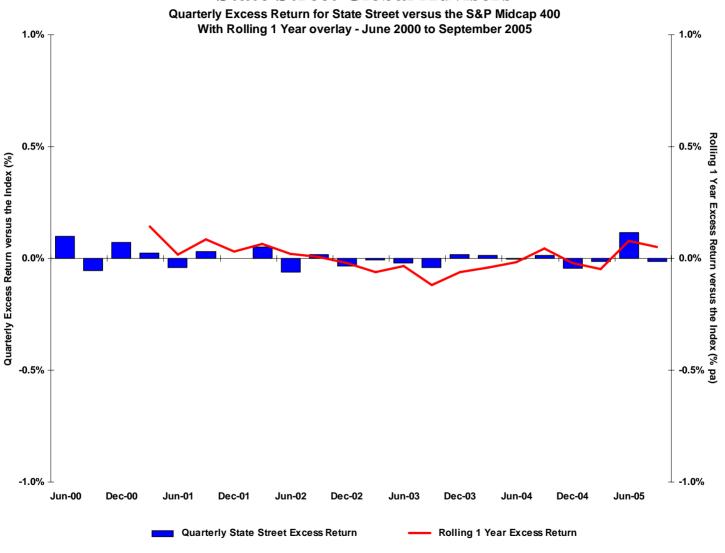
- CRM underperformed its benchmark for all periods except since inception. The portfolio placed above the universe median for the recent quarter and 1 year.
- Mercer rates this product A (above average probability of outperformance).

#### **State Street Global Advisors**

Comparison with the Mercer US Equity Mid Cap Core Universe Performance for periods ended September 2005



#### **State Street Global Advisors**



# State Street Global Advisors Organizational Issues

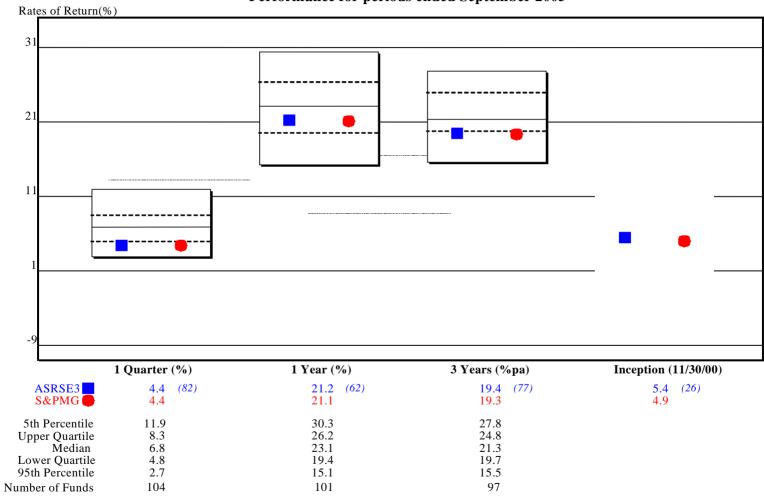
• No organization concerns at this time.

# State Street Global Advisors Assessment

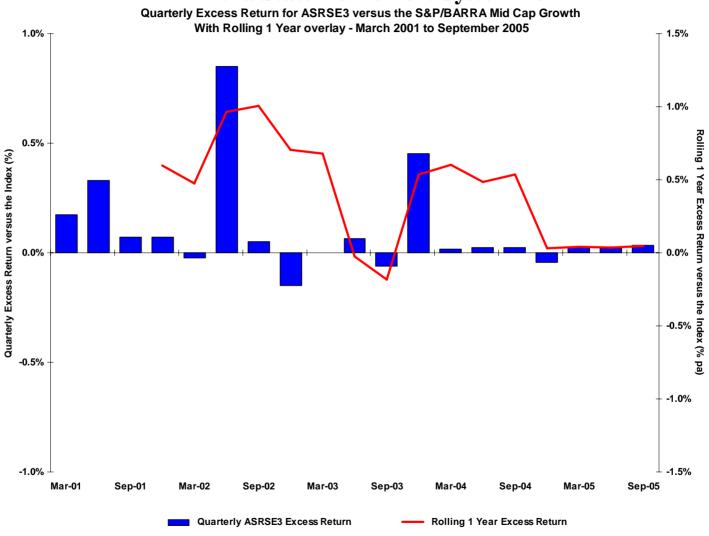
- State Street is tracking the S&P MidCap 400 Index as expected.
- Mercer does not rate this product.

### **Arizona State Retirement System E3**

Comparison with the Mercer US Equity Mid Cap Growth Universe Performance for periods ended September 2005



### **Arizona State Retirement System E3**

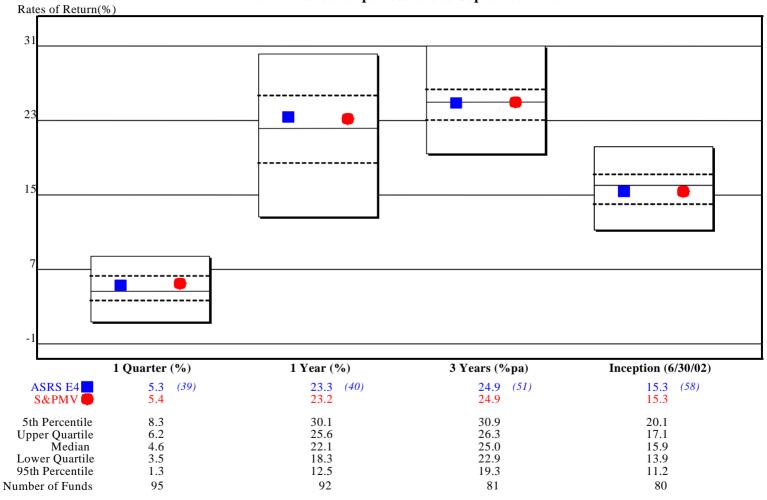


# Arizona State Retirement System E3 Assessment

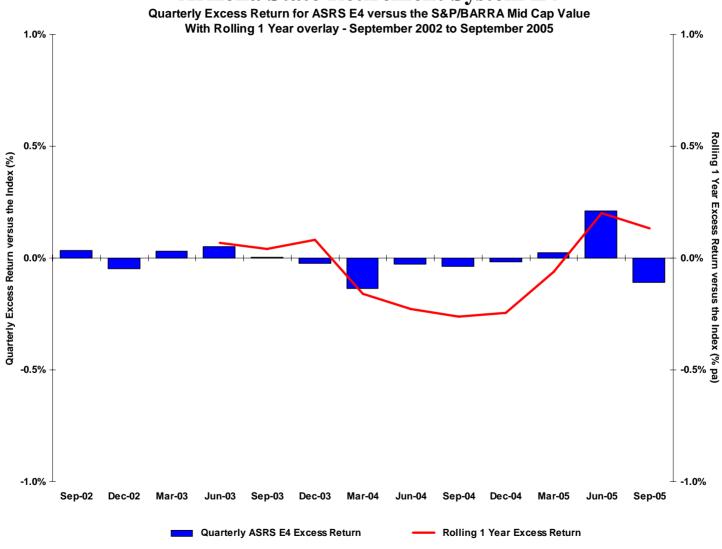
• The ASRS E3 portfolio has tracked the S&P MidCap Growth closely for all periods evaluated.

### Arizona State Retirement System E4

Comparison with the Mercer US Equity Mid Cap Value Universe Performance for periods ended September 2005



#### Arizona State Retirement System E4



# Arizona State Retirement System E4 Assessment

• The ASRS E4 portfolio has tracked the S&P MidCap Value closely for all periods evaluated.

# Mercer Ratings Scale

A, A- = Above average probability of outperformance

B+, B, B- = Average probability of outperformance

C = Below average probability of outperformance

N = Not rated

#### What Do the Ratings Mean?

- Mercer's view on prospective future performance relative to benchmark over the medium term (3 to 5 yrs)
- Relative to risk of underperforming benchmark
- May or may not be in keeping with past performance